Future Flight Design						
2008 Science Next Generation Sunshine State Standards						
Grade 5						
Activity/Lesson	State	Standards				
Air Transportation Problem	FL	SCI.5.SC.5.N.1 .A	Scientific inquiry is a multifaceted activity; The processes of science include the formulation of scientifically investigable questions, construction of investigations into those questions, the collection of appropriate data, the evaluation of the meaning of those data, and the communication of this evaluation.			
Air Transportation Problem	FL	SCI.5.SC.5.N.1 .1	Define a problem, use appropriate reference materials to support scientific understanding, plan and carry out scientific investigations of various types such as: systematic observations, experiments requiring the identification of variables, collecting and organizing data, interpreting data in charts, tables, and graphics, analyze information, make predictions, and defend conclusions.			
Aircraft Design			Identify familiar forces that cause objects to move, such as pushes or pulls, including			
Problem	FL	3.1	gravity acting on falling objects.			
Aircraft Design Problem	FL	SCI.5.SC.5.P.1 3.2	Investigate and describe that the greater the force applied to it, the greater the change in motion of a given object.			
Aircraft Design Problem	FL	SCI.5.SC.5.P.1 3.3	Investigate and describe that the more mass an object has, the less effect a given force will have on the object's motion.			
Aircraft Design Problem	FL	SCI.5.SC.5.P.1 3.4	Investigate and explain that when a force is applied to an object but it does not move, it is because another opposing force is being applied by something in the environment so that the forces are balanced.			
Future Flight Design						
2008 Science						
Next Generation Sunshine State Standards						
Florida Science						
Grade 6	01-1-	04-0-11-				
Activity/Lesson	State	Standards				

			Scientific inquiry is a multifaceted activity;			
			The processes of science include the			
			formulation of scientifically investigable			
			questions, construction of investigations into			
1			those questions, the collection of appropriate			
		SCI.6.SC.6.N.1	data, the evaluation of the meaning of those			
Air Transportation			data, and the communication of this			
Problem .	FL	.A	evaluation.			
			Define a problem from the sixth grade			
			curriculum, use appropriate reference			
			materials to support scientific understanding,			
			plan and carry out scientific investigation of			
			various types, such as systematic			
			observations or experiments, identify			
			variables, collect and organize data, interpret			
			data in charts, tables, and graphics, analyze			
Air Transportation		SCI.6.SC.6.N.1	information, make predictions, and defend			
Problem	FL	.1	conclusions.			
Aircraft Design		SCI.6.SC.6.P.1	The motion of objects can be changed by			
Problem	FL	2.B	forces.			
			Investigate and describe that an unbalanced			
Aircraft Design			force acting on an object changes its speed,			
Problem	FL	3.3	or direction of motion, or both.			
		│ Future Flight De	 esian			
	<u>'</u>	2008 Scienc				
Next Generation Sunshine State Standards						
	THORE COLLOR	ation Sunsinie	State Standards			
Florida Science		ation Sunsime	State Standards			
Grade 7	State	Standards	State Standards			
			State Standards Scientific inquiry is a multifaceted activity;			
Grade 7						
Grade 7			Scientific inquiry is a multifaceted activity;			
Grade 7			Scientific inquiry is a multifaceted activity; The processes of science include the			
Grade 7			Scientific inquiry is a multifaceted activity; The processes of science include the formulation of scientifically investigable			
Grade 7			Scientific inquiry is a multifaceted activity; The processes of science include the formulation of scientifically investigable questions, construction of investigations into those questions, the collection of appropriate			
Grade 7 Activity/Lesson			Scientific inquiry is a multifaceted activity; The processes of science include the formulation of scientifically investigable questions, construction of investigations into those questions, the collection of appropriate data, the evaluation of the meaning of those			
Grade 7		Standards	Scientific inquiry is a multifaceted activity; The processes of science include the formulation of scientifically investigable questions, construction of investigations into those questions, the collection of appropriate data, the evaluation of the meaning of those			
Grade 7 Activity/Lesson Air Transportation	State	Standards SCI.7.SC.7.N.1	Scientific inquiry is a multifaceted activity; The processes of science include the formulation of scientifically investigable questions, construction of investigations into those questions, the collection of appropriate data, the evaluation of the meaning of those data, and the communication of this			
Grade 7 Activity/Lesson Air Transportation	State	Standards SCI.7.SC.7.N.1	Scientific inquiry is a multifaceted activity; The processes of science include the formulation of scientifically investigable questions, construction of investigations into those questions, the collection of appropriate data, the evaluation of the meaning of those data, and the communication of this evaluation.			
Grade 7 Activity/Lesson Air Transportation	State	Standards SCI.7.SC.7.N.1	Scientific inquiry is a multifaceted activity; The processes of science include the formulation of scientifically investigable questions, construction of investigations into those questions, the collection of appropriate data, the evaluation of the meaning of those data, and the communication of this evaluation. Define a problem from the seventh grade			
Grade 7 Activity/Lesson Air Transportation	State	Standards SCI.7.SC.7.N.1	Scientific inquiry is a multifaceted activity; The processes of science include the formulation of scientifically investigable questions, construction of investigations into those questions, the collection of appropriate data, the evaluation of the meaning of those data, and the communication of this evaluation. Define a problem from the seventh grade curriculum, use appropriate reference			
Grade 7 Activity/Lesson Air Transportation	State	Standards SCI.7.SC.7.N.1	Scientific inquiry is a multifaceted activity; The processes of science include the formulation of scientifically investigable questions, construction of investigations into those questions, the collection of appropriate data, the evaluation of the meaning of those data, and the communication of this evaluation. Define a problem from the seventh grade curriculum, use appropriate reference materials to support scientific understanding,			
Grade 7 Activity/Lesson Air Transportation	State	Standards SCI.7.SC.7.N.1	Scientific inquiry is a multifaceted activity; The processes of science include the formulation of scientifically investigable questions, construction of investigations into those questions, the collection of appropriate data, the evaluation of the meaning of those data, and the communication of this evaluation. Define a problem from the seventh grade curriculum, use appropriate reference materials to support scientific understanding, plan and carry out scientific investigation of			
Grade 7 Activity/Lesson Air Transportation	State	Standards SCI.7.SC.7.N.1	Scientific inquiry is a multifaceted activity; The processes of science include the formulation of scientifically investigable questions, construction of investigations into those questions, the collection of appropriate data, the evaluation of the meaning of those data, and the communication of this evaluation. Define a problem from the seventh grade curriculum, use appropriate reference materials to support scientific understanding, plan and carry out scientific investigation of various types, such as systematic			
Grade 7 Activity/Lesson Air Transportation	State	Standards SCI.7.SC.7.N.1	Scientific inquiry is a multifaceted activity; The processes of science include the formulation of scientifically investigable questions, construction of investigations into those questions, the collection of appropriate data, the evaluation of the meaning of those data, and the communication of this evaluation. Define a problem from the seventh grade curriculum, use appropriate reference materials to support scientific understanding, plan and carry out scientific investigation of various types, such as systematic observations or experiments, identify variables, collect and organize data, interpret			
Activity/Lesson Air Transportation Problem	State	Standards SCI.7.SC.7.N.1	Scientific inquiry is a multifaceted activity; The processes of science include the formulation of scientifically investigable questions, construction of investigations into those questions, the collection of appropriate data, the evaluation of the meaning of those data, and the communication of this evaluation. Define a problem from the seventh grade curriculum, use appropriate reference materials to support scientific understanding, plan and carry out scientific investigation of various types, such as systematic observations or experiments, identify variables, collect and organize data, interpret data in charts, tables, and graphics, analyze			
Grade 7 Activity/Lesson Air Transportation	State	Standards SCI.7.SC.7.N.1	Scientific inquiry is a multifaceted activity; The processes of science include the formulation of scientifically investigable questions, construction of investigations into those questions, the collection of appropriate data, the evaluation of the meaning of those data, and the communication of this evaluation. Define a problem from the seventh grade curriculum, use appropriate reference materials to support scientific understanding, plan and carry out scientific investigation of various types, such as systematic observations or experiments, identify variables, collect and organize data, interpret			
Air Transportation Problem Air Transportation	State FL	Standards SCI.7.SC.7.N.1 .A	Scientific inquiry is a multifaceted activity; The processes of science include the formulation of scientifically investigable questions, construction of investigations into those questions, the collection of appropriate data, the evaluation of the meaning of those data, and the communication of this evaluation. Define a problem from the seventh grade curriculum, use appropriate reference materials to support scientific understanding, plan and carry out scientific investigation of various types, such as systematic observations or experiments, identify variables, collect and organize data, interpret data in charts, tables, and graphics, analyze information, make predictions, and defend conclusions.			
Air Transportation Problem Air Transportation	State FL	Standards SCI.7.SC.7.N.1 .A	Scientific inquiry is a multifaceted activity; The processes of science include the formulation of scientifically investigable questions, construction of investigations into those questions, the collection of appropriate data, the evaluation of the meaning of those data, and the communication of this evaluation. Define a problem from the seventh grade curriculum, use appropriate reference materials to support scientific understanding, plan and carry out scientific investigation of various types, such as systematic observations or experiments, identify variables, collect and organize data, interpret data in charts, tables, and graphics, analyze information, make predictions, and defend conclusions.			

Next Generation Sunshine State Standards						
Florida Science						
Grade 8						
Activity/Lesson	State	Standards				
Air Transportation	FL		Scientific inquiry is a multifaceted activity; The processes of science include the formulation of scientifically investigable questions, construction of investigations into those questions, the collection of appropriate data, the evaluation of the meaning of those data, and the communication of this evaluation.			
Problem		.A	Define a problem from the eighth grade			
			curriculum using appropriate reference materials to support scientific understanding, plan and carry out scientific investigations of various types, such as systematic observations or experiments, identify variables, collect and organize data, interpret data in charts, tables, and graphics, analyze			
Air Transportation		SCI.8.SC.8.N.1	information, make predictions, and defend			
Problem	FL	.1	conclusions.			
			Understand that scientific investigations involve the collection of relevant empirical evidence, the use of logical reasoning, and the application of imagination in devising hypotheses, predictions, explanations and			
Air Transportation		SCI.8.SC.8.N.1	models to make sense of the collected			
Problem	FL	.6	evidence.			